

SUSPENSION ASSEMBLY AND ROTARY DISK STORAGE DEVICE

ABSTRACT OF THE DISCLOSURE

Embodiments of the invention provide a suspension assembly offering large peel stiffness, small pitch stiffness and small roll stiffness. In one embodiment, the 5 suspension assembly includes a load beam and a flexure 100. The flexure is connected to the load beam at a first fixing point 102a and a second fixing point 102b. The flexure is provided with a first loop spring structure including a pair of supporting arms 108a, 108b and a pair of strip-shaped main arms 104a, 104b. In addition, the flexure is provided with a second loop 10 spring structure including a pair of supporting arms and a pair of strip-shaped auxiliary arms 106a, 106b having a path length longer than that of the main arms. The flexure is further provided with a flexure tongue 112 supported by a pair of tongue supports. The loop spring structure composed of the main arms dominantly gives the flexure tongue stiffness.

[Fig. 8]

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